

**Abstract:**

The invention describes a method and a device for positioning insulating glass panes (24, 25) that are arranged in pairs one opposite the other in a vertical assembly and pressing device for insulating glass panes which is part of a production line for insulating glass panes, in which a first glass sheet (24) and a second glass sheet (25) carrying a spacer (27), intended for one insulating glass pane, are fed into the assembly and pressing device in upright position, standing on a horizontal conveyor and leaning against a first supporting device (1, 31), the assembly and pressing device comprising an arrangement consisting of two pressure plates (1a, 2a) that can be transferred from a first position, in which they are inclined in opposite directions, to a second position in which they are positioned one in parallel to the other, by

- (a) conveying the first glass sheet (24), leaning against the first supporting device (1, 31), on a first track (20) of the horizontal conveyor into a predefined first position in which it is stopped;
- (b) transferring the first glass sheet (24) in a direction transverse to the conveying direction of the horizontal conveyor into a position opposite the first position, in which it stands on the horizontal conveyor in upright position, leaning against the second supporting device (2, 32) inclined in a direction opposite to the direction of the first supporting device (1, 31);
- (c) conveying the second glass sheet (25), leaning against the first supporting device (1, 31) into the first position;
- (d) synchronously conveying the first and the second glass sheets (24, 25), leaning against their respective supporting devices (1, 2, 31, 32) into a predefined position

- on a second track (30) of the horizontal conveyor that can be driven separately from the first track (20) of the horizontal conveyor;
- (e) repeating the steps (a) to (d) at least once for glass sheets intended for assembly of at least one further insulating glass pane;
  - (f) conveying the glass sheet pairs (24, 25), standing upright on the second track (30) of the horizontal conveyor, into the opened assembly and pressing device, which latter comprises a third track (40) of the horizontal conveyor that can be driven separately from the second track (30) of the horizontal conveyor;
  - (g) stopping the glass sheet pairs (24, 25) in the assembly and pressing device.